

The Chemnitz University of Technology is an established innovative scientific and educational institution, which takes on the challenges connected with the competition between the universities. The Chemnitz University of Technology offers attractive employment for personalities with proven scientific excellence who want to contribute to the further innovative development.

Starting at 01.10.2020, the Faculty of Natural Sciences, Professorship of Materials for Innovative Energy Concepts, offers a third-party funded part- or full-time employed

PhD Position (m/f/x) (50 %, tariff 13 TV-L)

The fixed-term employment until 30.09.2023 follows the Act of Temporary Employment in Higher Education (WissZeitVG) and the Saxon Law on Universities (SächsHSFG) in the respective current version. Selection will occur according to suitability, qualification and professional performance. Chemnitz University of Technology aims to particularly support women and therefore explicitly asks for applications from qualified female candidates. Severely disabled persons or those with an equivalent status will be considered preferentially in accordance with SGB IX.

The project is conducted in cooperation with the Ernst-Ruska-Centrum (ERC) at the Forschungszentrum Jülich. Objective of the project is the understanding of atomic changes of catalytic materials employing diverse methods. Research stays at the ERC offer the possibility to conduct *in situ* and *operando* TEM investigations.

Workduties:

- Development of reproducible synthesis routes towards well-defined catalytic materials
- Characterisation and catalytic testing of the materials
- Kinetic investigations as well as long-term stability measurements
- Deducing structure-property relationships

Your research results will be used for scientific publications and towards your own qualification. This position aims at advancing your scientific development.

If you are interested in joining an interdisciplinary, highly motivated team and in academically exploring a topic of high practical relevance, you should meet the listed requirements below.

Your profile:

- university degree in natural sciences – preferably in chemistry or related fields, thus establishing access to the appropriate level of qualification
- knowledge in the areas of solid state synthesis, material characterisation and electrochemistry, particularly MOR and ORR are favourable
- good knowledge of English and/or German (written and spoken)
- capability to work responsibly and independently
- structured and targeted working method

Applicants have to fulfill the precondition of employment according to §71 SächsHSFG.

Please do not send original documents, since applications will not be sent back but discarded according to data handling regulations. If you wish your application materials to be sent back to you, please enclose a prepaid and correctly addressed envelope.



TECHNISCHE UNIVERSITÄT
CHEMNITZ

Please send your application using the reference »**HH-2-2020-211040**« and including the usual documents, either electronically (as a single PDF file) or by post, before **24.08.2020** to the address below. For security reasons we cannot consider electronic applications or drafts of applications which are provided for download via links to third parties.

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Information about the collection and processing of personal data is to be found here: https://www.tu-chemnitz.de/verwaltung/personal/public/Datenschutz/dse_dp.html.